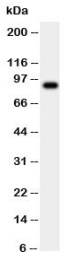
CSF3R Antibody Colony Stimulating Factor 3 Receptor (R31006)

Catalog No.	Formulation	Size
R31006	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q99062
Applications	Western blot: 0.5-1ug/ml
Limitations	This CSF3R antibody is available for research use only.



Western blot testing of CSF3R antibody and human placenta tissue lysate

Description

Colony-Stimulating Factor 3 Receptor, Granulocyte also known as GCSFR or CD114 (Cluster of Differentiation 114) is a protein that in humans is encoded by the CSF3R gene. G-CSF-R is a cell-surface receptor for the granulocyte colony-stimulating factor (G-CSF). The G-CSF receptors belongs to a family of cytokine receptors known as the hematopoietin receptor family. By in situ hybridization using human CSF3R cDNA as a probe, Inazawa et al.(1991) localized the gene to 1p35-p34.3. The G-CSF-R is a transmembrane receptor that consists of an extracellular ligand-binding portion, a transmembrane domain, and the cytoplasmic portion that is responsible for signal transduction. GCSF-R ligand-binding is associated with dimerization of the receptor and signal transduction through proteins including Jak, Lyn, STAT, and

Erk1/2. Dong et al.(2001) reported that the C terminus of CSF3R is required for SHP1 downregulation of CSF3-induced STAT activation. The authors proposed that this mechanism inhibits cell proliferation and survival in response to CSF3.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CSF3R antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human CSF3R (EPWQPGLHINQKCELRHK) was used as the immunogen for this CSF3R antibody.

Storage

After reconstitution, the CSF3R antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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